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(71)Applicant : HITACHI CHEM CO LTD

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(72)Inventor : IZUMI HIROFUMI
YOKOTA KOICHI

(54) GEL-COATED GLASS FIBER-REINFORCED PLASTIC RESIN COMPOSITION FOR MOLDING, PRODUCTION OF MOLDING AND MOLDED MATERIAL

(57)Abstract:

PURPOSE: To provide a composition composed of an unsaturated polyester resin, a shrinkage-controlling material and a polyisocyanate and capable of producing a molding free from sink mark and glass eye, excellent in visual appearance and having a high strength.

CONSTITUTION: The objective composition containing (A) 100 pts.wt. unsaturated polyester resin, (B) 3-25 pts.wt. shrinkage-controlling material (e.g. polystyrene) and (C) 1-20 pts.wt. polyisocyanate (e.g. tolylene diisocyanate). The component (A) is recommendably obtained by synthesizing an unsaturated polyester from an α,β -unsaturated polybasic acid such as maleic acid and a poly alcohol such as ethylene glycol and dissolving the resultant unsaturated polyester in a polymerizable monomer such as acrylic acid.

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